

RUSSIAN RIVER COUNTY SANITATION DISTRICT THIRD UNIT PROCESSES

Estimated Project Cost:
\$5 Million

DESCRIPTION:

- The Russian River County Sanitation District's (RRCSD) wastewater treatment facility is located in the unincorporated area of Guerneville
- The RRCSD provides wastewater treatment for the communities of Guerneville, Guerneville Park, Rio Nido and Vacation Beach, and some areas surrounding these communities
- During significant flood events on the lower Russian River, the amount of sewage received by the treatment facility (influent) exceeds the facility's treatment capacity
- This has caused the RRCSD to discharge partially treated wastewater (effluent) into the Russian River
- This type of occurrence is in violation of the RRCSD's National Pollutant Discharge Elimination System (NPDES) permit administered by the NCRWQCB, and has resulted in significant fines for the District
- The proposed project, the Third Unit Processes, will provide treatment for influent during high winter flows by constructing an aeration basin, a secondary clarifier, and a replacement tertiary filtration system.

PROJECT GOAL

*Improve water quality
in the Russian River
by improving
wastewater
treatment at the
Russian River County
Sanitation District's
treatment facility
during high
winter flows.*

POTENTIAL PARTNERSHIPS:

- California Regional Water Quality Control Board, North Coast Region
- California Water Resources Control Board
- Russian River County Sanitation District
- Sonoma County Water Agency
- U.S. Environmental Protection Agency

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Aerial view of the Russian River County Sanitation District's wastewater treatment facility.

A third clarifier, similar to this one shown, will settle solids out of the liquid stream , allowing clarified effluent to move on to the tertiary filtration process.

